cells, total RNA was isolated from the cells 48 hours post transfection with pcDNA-Gαi or pcDNA-GαiR using methods known in the art. Reverse transcriptase PCR was used to make cDNA and PCR analysis was performed using the cDNA as template with primers specific for the relevant Gα carboxyl terminal peptide insert (forward: 5'-ATCCGCCGCCACCATGGGA (SEQ ID NO:270); reverse: 5'-GCGAAAGGAGCGGGGCGCTA (SEQ ID NO:271). These primers for the Gα minigenes amplify a 434 bp fragment only if the inserted peptide-encoding oligonucleotides are present; no band is observed in cells transfected with the empty pcDNA3.1 vector. The PCR products were separated on 1.5% agarose gels. The presence of a single 434 bp band indicated that Gα carboxyl terminus peptide minigene RNA had been transcribed. See Figure 13. Control experiments were done using a T7 forward primer with the vector reverse primer to verify the presence of the pcDNA3.1 vector, and G3DPH primers (Clonetech) to approximate the amount of total RNA.

A31

In the Claims:

94. (Amended) A compound identified by the method of claim 1, which comprises a peptide selected from the group consisting of SEQ ID NOS: 2, 4, 6, 8, 10, 12, 13, 15, 17, 21, 23, 25-27, 30, 32, 34, 36, 38, 40, 45-85, 94-111, 125-150, 160-164, 175-178 and 183-264.

A32

95. (Amended) A compound selected from the group consisting of SEQ ID NOS: 2, 4, 6, 8, 10, 12, 13, 15, 17, 21, 23, 25-27, 30,